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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/735,123	
	Filing Date	December 12, 2003	
	First Named Inventor	Igor KELLER	
	Art Unit	2816	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	5 w/ 12 refs.	Attorney Docket Number	188122000400

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement w/ Form PTO 1449 (4 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Copy of 12 Cited References 2. Return Receipt Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 20872) Stephen C. Durant - 31,506
Signature	
Date	July 14, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
Dated: July 15, 2004	Signature:  (Leah M. Kjellén)



PATENT  
Docket No. 188122000400

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Leah M. Kjellén

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Igor KELLER et al.

Serial No.: 10/735,123

Filing Date: December 12, 2003

For: ROBUST CALCULATION OF  
CROSSTALK DELAY CHANGE IN  
INTEGRATED CIRCUIT DESIGN

Examiner: Not Yet Assigned

Group Art Unit: 2816

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \_\_\_ is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_\_ is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

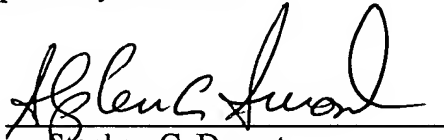
Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 188122000400. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: July 14, 2004

Respectfully submitted,

By:   
Stephen C. Durant  
Registration No. 31,506

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Form PTO-1449

Docket Number 188122000400

Application Number 10/735,123

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Igor KELLER et al.

Filing Date December 12, 2003

Group Art Unit 2816

Mailing Date July 15, 2004

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	1.	R. Arunachalam et al., "TACO: Timing Analysis With COupling", ACM 2000, 4 pgs.
	2.	P. Chen et al., "Miller Factor for Gate-Level Coupling Delay Calculation", IEEE, International Conference on Computer Aided Design, 2000, 7 pgs.
	3.	J. F. Croix et al., "Blade and Razor: Cell and Interconnect Delay Analysis Using Current-Based Models", DAC June 2-6, 2003, Anaheim CA, pp. 386-389.
	4.	F. Dartu et al., "Calculating Worst-Case Gate Delay Due to Dominant Capacitance Coupling", DAC 97, Anaheim CA, 6 pgs.
	5.	P. D. Gross et al., "Determination of Worst-Case Aggressor Alignment for Delay Calculation", ACM 1998, pgs. 212-219.
	6.	I. Keller et al., "A robust cell-level crosstalk delay change analysis", 8 pgs.
	7.	I. Keller et al., "On a robust noise-on-delay cell-level analysis", 7 pgs.
	8.	A. Odabasioglu et al., "PRIMA: Passive Reduced-Order Interconnect Macromodeling Algorithm", IEEE Transactions on Computer Aided Design of Integrated Circuits and Systems, vol. 17, no.8, Aug. 1998, pgs. 645-654.
	9.	V. Raghavan et al., "AWESpice: A General Tool for the Accurate and Efficient Simulation of Interconnect Problems", 29th ACM/IEEE Design Automation Conference, paper 6.3, 1992, pgs. 87-92.
	10.	K. Shepard, "Design Methodologies for Noise in Digital Integrated Circuits", 35th Design Automation Conference, ACM 1998, 6 pgs.
	11.	S. Sirichotiyakul et al., "Driver Modeling and Alignment for Worst-Case Delay Noise", IEEE Trans. on Very Large Scale Integration v. 11, no. 2, April 2003, 6 pgs.
	12.	V. Zolotov et al., "Noise Propagation and Failure Criteria for VLSI Designs", IEEE 2002, 8 pgs.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.